

5-oxoprolinase (ATP-hydrolysing)

Cat. No. EXWM-4510

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of hydrolases, those acting on carbon-nitrogen bonds other than peptide bonds, specifically in cyclic amides. This enzyme participates in glutathione metabolism.

Synonyms

pyroglutamase (ATP-hydrolysing); oxoprolinase; pyroglutamase; 5-oxoprolinase; pyroglutamate hydrolase; pyroglutamic hydrolase; L-pyroglutamate hydrolase; 5-oxo-L-prolinase; pyroglutamase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.5.2.9

CAS No.

9075-46-1

Reaction

$\text{ATP} + 5\text{-oxo-L-proline} + 2 \text{H}_2\text{O} = \text{ADP} + \text{phosphate} + \text{L-glutamate}$

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.